

RAW SEQUENCE LISTING

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Application Serial Number: 10/553,105
Source: PCT
Date Processed by STIC: 10/25/2005

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PCT

RAW SEQUENCE LISTING

DATE: 10/25/2005

PATENT APPLICATION: US/10/553,105

TIME: 10:10:25

Input Set : A:\Sequence Listing for A0848.70011US00.txt
 Output Set: N:\CRF4\10252005\J553105.raw

3 <110> APPLICANT: LAEREMANS, Toon
 4 VAN BERGEN EN HENEGOUWEN, Paul P.M.P.
 6 <120> TITLE OF INVENTION: CAMELIDAE SINGLE DOMAIN ANTIBODIES VHH DIRECTED AGAINST
 EPIDERMAL
 7 GROWTH FACTOR RECEPTOR AND USES THEREFOR
 9 <130> FILE REFERENCE: A0848.70011US00
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/553,105
 C--> 12 <141> CURRENT FILING DATE: 2005-10-12
 14 <160> NUMBER OF SEQ ID NOS: 75
 16 <170> SOFTWARE: PatentIn version 3.3
 18 <210> SEQ ID NO: 1
 19 <211> LENGTH: 127
 20 <212> TYPE: PRT
 21 <213> ORGANISM: Lama glama
 23 <400> SEQUENCE: 1
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 26 1 5 10 15
 29 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Asn Tyr
 30 20 25 30
 33 Val Met Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Asp Phe Val
 34 35 40 45
 37 Val Gly Ile Gly Arg Ser Gly Gly Asp Asn Thr Tyr Tyr Ala Asp Ser
 38 50 55 60
 41 Val Lys Gly Arg Phe Thr Ile Ser Trp Asp Asn Ala Lys Asn Thr Met
 42 65 70 75 80
 45 Tyr Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr
 46 85 90 95
 49 Cys Ala Ala Ser Thr Tyr Ser Arg Asp Thr Ile Phe Thr Lys Trp Ala
 50 100 105 110
 53 Asn Tyr Asn Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
 54 115 120 125
 57 <210> SEQ ID NO: 2
 58 <211> LENGTH: 127
 59 <212> TYPE: PRT
 60 <213> ORGANISM: Lama glama
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 65 1 5 10 15
 68 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
 69 20 25 30
 72 Val Met Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val
 73 35 40 45
 76 Gly Ala Ile His Trp Ser Gly Gly Arg Thr Tyr Tyr Ala Asp Ser Val
 77 50 55 60

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80 Lys Gly Arg Phe Thr Ile Ser Ser Asp Asn Ala Lys Asn Thr Leu Tyr
 81 65 70 75 80
 84 Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
 85 85 90 95
 88 Ala Ala Ser Arg Ile Ile Tyr Ser Tyr Val Asn Tyr Val Asn Pro Gly
 89 100 105 110
 92 Glu Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
 93 115 120 125
 96 <210> SEQ ID NO: 3
 97 <211> LENGTH: 122
 98 <212> TYPE: PRT
 99 <213> ORGANISM: Lama glama
 101 <400> SEQUENCE: 3
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 107 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser His
 108 20 25 30
 111 Tyr Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val
 112 35 40 45
 115 Ala Ala Ile Thr Ser Ser Arg Thr Tyr Tyr Thr Glu Ser Val Lys
 116 50 55 60
 119 Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr Leu
 120 65 70 75 80
 123 Gln Met Asn Ser Leu Lys Ser Glu Asp Thr Ala Val Tyr Tyr Cys Ala
 124 85 90 95
 127 Ala Asp Arg Thr Phe Tyr Gly Ser Thr Trp Ser Lys Tyr Asp Tyr Arg
 128 100 105 110
 131 Gly Gln Gly Thr Gln Val Thr Val Ser Ser
 132 115 120
 135 <210> SEQ ID NO: 4
 136 <211> LENGTH: 129
 137 <212> TYPE: PRT
 138 <213> ORGANISM: Lama glama
 140 <400> SEQUENCE: 4
 142 Gln Val Gln Leu Gln Glu Ser Gly Gly Leu Val Gln Ala Gly Gly
 143 1 5 10 15
 146 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Lys Tyr
 147 20 25 30
 150 Ala Met Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val
 151 35 40 45
 154 Ser Ala Ile Ser Trp Ser Asp Gly Ser Thr Tyr Tyr Ala Asp Ser Val
 155 50 55 60
 158 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
 159 65 70 75 80
 162 Leu Gln Val Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
 163 85 90 95
 166 Ala Ala Thr Tyr Leu Val Asp Val Trp Ala Val His Val Pro Ile Arg
 167 100 105 110
 170 Pro Tyr Glu Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser

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181	<213> ORGANISM: Lama glama		
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189	Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Ser Phe Gly Gly Tyr		
190	20 25 30		
193	Ala Met Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val		
194	35 40 45		
197	Ala Ala Ile Ser Trp Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Leu		
198	50 55 60		
201	Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr		
202	65 70 75 80		
205	Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Leu Tyr Tyr Cys		
206	85 90 95		
209	Ala Ala Gly Leu Arg Pro Ser Pro Asn Tyr Asn His Glu Arg Ser Tyr		
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220	<213> ORGANISM: Lama glama		
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225	1 5 10 15		
228	Ser Leu Leu Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr		
229	20 25 30		
232	Ala Met Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val		
233	35 40 45		
236	Ala Ala Ile Asn Trp Ser Gly Gly Ser Thr Ser Tyr Ala Asp Ser Val		
237	50 55 60		
240	Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Thr Lys Asn Thr Val Tyr		
241	65 70 75 80		
244	Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Ala Phe Tyr Cys		
245	85 90 95		
248	Ala Ala Thr Tyr Asn Pro Tyr Ser Arg Asp His Tyr Phe Pro Arg Met		
249	100 105 110		
252	Thr Thr Glu Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser		
253	115 120 125		
256	Ser		
260	<210> SEQ ID NO: 7		
261	<211> LENGTH: 122		
262	<212> TYPE: PRT		
263	<213> ORGANISM: Lama glama		

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265 <400> SEQUENCE: 7
 267 Gln Val Gln Leu Gln Glu Ser Gly Gly Arg Leu Val Gln Thr Gly Gly
 268 1 5 10 15
 271 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Gly Thr Phe Gly Thr Tyr
 272 20 25 30
 275 Ala Leu Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val
 276 35 40 45
 279 Ala Ala Ile Ser Arg Phe Gly Ser Thr Tyr Tyr Ala Asp Ser Val Lys
 280 50 55 60
 283 Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Asn Asn Thr Val Tyr Leu
 284 65 70 75 80
 287 Glu Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala
 288 85 90 95
 291 Ala Arg Glu Gly Val Ala Leu Gly Leu Arg Asn Asp Ala Asn Tyr Trp
 292 100 105 110
 295 Gly Gln Gly Thr Gln Val Thr Val Ser Ser
 296 115 120
 299 <210> SEQ ID NO: 8
 300 <211> LENGTH: 121
 301 <212> TYPE: PRT
 302 <213> ORGANISM: Lama glama
 304 <400> SEQUENCE: 8
 306 Gln Val Gln Leu Gln Asp Ser Gly Gly Leu Val Gln Ala Gly Gly
 307 1 5 10 15
 310 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Gly Thr Phe Ser Ser Tyr
 311 20 25 30
 314 Ala Met Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val
 315 35 40 45
 318 Ala Ala Ile Gly Leu Asn Thr Tyr Tyr Ala Asp Ser Val Lys Gly Arg
 319 50 55 60
 322 Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr Leu Gln Met
 323 65 70 75 80
 326 Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala Ala Arg
 327 85 90 95
 330 Thr Ser Gly Val Val Gly Gly Thr Pro Lys Arg Tyr Asp Tyr Trp Gly
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 334 Gln Gly Thr Gln Val Thr Val Ser Ser
 335 115 120
 338 <210> SEQ ID NO: 9
 339 <211> LENGTH: 122
 340 <212> TYPE: PRT
 341 <213> ORGANISM: Lama glama
 343 <400> SEQUENCE: 9
 345 Gln Val Gln Leu Gln Glu Ser Gly Gly Ser Val Gln Ala Gly Gly
 346 1 5 10 15
 349 Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Arg Gly Phe Ser Arg Tyr
 350 20 25 30
 353 Ala Met Gly Trp Phe Arg Gln Ala Pro Gly Gln Asp Arg Glu Phe Val
 354 35 40 45

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Input Set : A:\Sequence Listing for A0848.70011US00.txt
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357 Ala Thr Ile Ser Trp Thr Asn Ser Thr Asp Tyr Ala Asp Ser Val Lys
358 50 55 60
361 Gly Arg Phe Ala Ile Ser Arg Asp Asn Ala Lys Asn Thr Ala Tyr Leu
362 65 70 75 80
365 Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala
366 85 90 95
369 Ala Asp Lys Trp Ala Ser Ser Thr Arg Ser Ile Asp Tyr Asp Tyr Trp
370 100 105 110
373 Gly Gln Gly Ile Gln Val Thr Val Ser Ser
374 115 120
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379 <212> TYPE: PRT
380 <213> ORGANISM: Lama glama
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388 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Asn Tyr
389 20 25 30
392 Ala Met Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val
393 35 40 45
396 Ala Ala Ile Asn Trp Gly Gly Asn Thr Tyr Tyr Ala Asp Ser Val
397 50 55 60
400 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
401 65 70 75 80
404 Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
405 85 90 95
408 Ala Ala Ser Glu Trp Gly Gly Ser Asp Tyr Asp His Asp Tyr Asp Tyr
409 100 105 110
412 Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
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416 <210> SEQ ID NO: 11
417 <211> LENGTH: 123
418 <212> TYPE: PRT
419 <213> ORGANISM: Lama glama
421 <400> SEQUENCE: 11
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424 1 5 10 15
427 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Ser Phe Ser Ser Tyr
428 20 25 30
431 Ala Met Ala Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val
432 35 40 45
435 Ala Ala Ile Ser Trp Gly Gly Ser Thr Tyr Tyr Ala Val Ser Val
436 50 55 60
439 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
440 65 70 75 80
443 Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Arg Tyr Tyr Cys
444 85 90 95
447 Ala Ala Asp Glu Thr Phe His Ser Ser Ala Tyr Gly Glu Tyr Glu Tyr

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/553,105

DATE: 10/25/2005

TIME: 10:10:26

Input Set : A:\Sequence Listing for A0848.70011US00.txt
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L:11 M:270 C: Current Application Number differs, Replaced Current Application Number

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date